

## **ABSTRACT**

The invention relates to a sensor device for indicating wear states on contact bodies of pantographs of electrically driven vehicles, said contact bodies being fixed to metallic supports. The aim of the invention is to provide a sensor device that permits, at practically any location on the contact strip, the installation of signal transmitters that can indicate the respective wear state of the contact strip without interrupting the driving operation. To this end, the invention employs the use of a sensor device characterized in that it is comprised of blind holes (3) made in the contact bodies (2), of transmission channels (6) that are connected to the blind holes (3), and of a monitoring unit, whereby the blind holes (3) and monitoring unit are connected via the transmission channels (6). In addition, a medium that generates signals in the instance of a specified wear state is located inside the blind holes (3), and a medium that transmits these signals to the monitoring unit is located inside the transmission channel.